

From boatanchors@sco.theporch.com Tue Mar 18 20:22:45 1997
From: Spencer Petri <spetri@e-tex.com>
Subject: 160 Mtr BA
Message-ID: <m0w73ub-00001LC@e-tex.com>

How about a CE 20-A? A single 803 amp would make it about right!!

73 de Pete WA5JCI

EM-21--6 Mtr -- WAS #490, WAC CW, DXCC/91 Countries, VUCC/618 Grids

From boatanchors@sco.theporch.com Tue Mar 18 20:22:45 1997
From: n5off@w5ddl.aara.org
Subject: 390A Meters, \$35 shipped
Message-ID: <604530@w5ddl.aara.org>

**** Don't Reply To Me ****

Rick Mish has bunches of R-390(X) meters, both types, for \$35 shipped to USA destinations.

He can be reached at:

419-255-6220

I got this news today, and apparently he has quite a few.

Again, don't reply to me.

"Not Connected With Miltronix" and all that other jazz

73 bonne chance
Tom

BTW, that is \$35 ea, \$70 for a set.

73 encore
Tom

From boatanchors@sco.theporch.com Tue Mar 18 20:22:45 1997
From: Brian.Harris@sv.sc.philips.com (Brian Harris)

Subject: Capacitors for Collins 30W
Message-ID: <32f30fb0@scs.philips.com>

I am looking for capacitors for a Collins 30W transmitter (that's a Model 30W, not a 30 Watt transmitter). For the unenlightened, the Collins 30W is the first transmitter Art Collins offered for sale (circa 1932). This was pre-Collins Radio, when his company was called, simply, Collins Transmitters. These units are rare. I know of four, counting mine. If anyone else knows of the existence of more, I would appreciate feedback for I need information in order to complete the restoration.

The capacitors I need are made by Hammarlund. There are two types, three for tuning, one for neutralization. The tuning types are MLW-125. MLW stands for Mid-Line Wide. 125 stands for 125 pF (no duh!). These units have brass plates (5 rotors, 6 stators). The frame is cast aluminum. They mount with two machine screws to the front panel. The neutralizing capacitor is an MC-75-S, also brass, although some later units were made with aluminum plates. I don't know the number of stator and rotor plates but it is of conventional design.

If anyone has capacitors that resemble the above description, specially the MLW-125's, please reply by private email and I will mail a picture of the actual unit.

Thanks,

Brian Harris WA5UEK
The Cosmophone Collector

From boatanchors@sco.theporch.com Tue Mar 18 20:22:45 1997
From: Brian.Harris@sv.sc.philips.com (Brian Harris)
Subject: Coax Cable Assembly ID?
Message-ID: <32f280b0@scs.philips.com>

I have about fifty feet of RG34-U. It is twinax with about 1/2" O.D. At each of the cable are triangular phenolic blocks with terminals. One of the blocks has U-shaped hoops which look like they are for supporting the cable. Any ideas what this came from? What about the characteristic impedance of the cable? Please respond by private email. Thanks in advance.

Brian Harris WA5UEK

From boatanchors@sco.theporch.com Tue Mar 18 20:22:45 1997
From: flegler@pilot.msu.edu (Stanley L. Flegler)
Subject: Front End Overload
Message-ID: <199703182020.PAA193602@pilot13.cl.msu.edu>

I presently live about one mile from three large transmitting towers. One is FM, one is AM (medium power), and one is TV (very high power, several hundred thousand watts). I've never had a problem with front end overload on any of my boatanchors or solid state equipment. The XYL just showed me a house for sale near the towers. This is very near. One of the guy cables for the TV tower is just outside the property line of the house. Has anyone had experience living near high power equipment like this? I'm especially concerned with the TV tower, several hundred thousand watts at a distance of perhaps several hundred feet. Perhaps the energy is radiated upward and outward toward the horizon so much that I wouldn't pick up anymore than I do now? What are the prospects for front end problems on the boatanchors? 73
Stan K8RPA, flegler@pilot.msu.edu

From boatanchors@sco.theporch.com Tue Mar 18 20:22:45 1997
From: Scott Cowling <dfi@cyberhighway.net>
Subject: heath list
Message-ID: <2.2.16.19970318143014.32f7982e@mailhost.cyberhighway.net>

Does anyone know of a Heathkit list?

TNX es 73,
Scotty WA2DFI
dfi@cyberhighway.net

From boatanchors@sco.theporch.com Tue Mar 18 20:22:45 1997
From: mashaum@fcg.net (Mark Shaum)
Subject: HQ180 IF's and AM distortion
Message-ID: <M.031897.162010.15@NE9G>

Jack comments on his HQ180 IF's:

>The Hammarlund documentation says nothing about any of this... I have
>considered just tuning in a BC station (50kw station KOA in Denver is a good
>bet around here) and diddling with the IF alignment to see what would happen
>-- but thought that I might ask some grey-beards first (Heads up Al...).
>Have also considered plotting the response as a function of frequency to see
>what the 'skirt' really looks like -- which would be an interesting
>experiment in itself...

Jack, looking at the final IF's in both my HQ170 and NC300, I came across some capacitors that had changed value and caused some shape factor problems, even though the 'book' alignment procedure could be followed by adjusting coils. With the 170, I could align things such that the "both" sideband position of

the IF switch delivered a pretty symmetrical bandpass, but there was sufficient shift when switching to USB or LSB to require a touch-up bump in the main tuning. You should be able to center-tune an AM carrier in the "both" sidebands position, then select either upper or lower sideband to listen to, and they should both sound about the same (unless you are listening to CHU, which transmits AM with one sideband). I retuned my 170 for symmetry between the lower and upper positions. There is still a bit of extra offset on one side when compared to center freq in the "both" sideband mode, but it's not objectionable. I believe I ended up replacing four caps with parallel fixed/trimmer units to get it set up to my taste.

Getting things to track properly and be symmetrical between center, usb and lsb modes with the various bandwidth options is a pain, but it is this flexibility that makes the Hammarlund 170 and 180 series receivers great for high QRM AM work. A white noise source and spectrum analyzer, or a sweep generator tied to a scope reading the AGC voltage is about the only way to make sense of the interactions in that final IF. I had neither at the time, so went through the manual curve plotting and cut/paste/trial and error with a manually swept generator. The work can be worth the effort, tho. My NC300 has new padder caps that now allow selection of bandwidths without retuning when the BFO is set to the LSB mark. Much nicer for CW.

Good luck! - Mark

Mark Shaum, K9TR
mashaum@fcg.net

From boatanchors@sco.theporch.com Tue Mar 18 20:22:45 1997
From: n4bno@juno.com (James R Bridgers)
Subject: National SW-54-1 Help
Message-ID: <19970318.193948.5367.0.n4bno@juno.com>

Hello to All:

I am looking for any information on a National SW-54-1 receiver. Looking specifically for a copy of the owners manual if available. If that's not out there, maybe someone could tell me approximately when that model was built. Any information would be greatly appreciated.

Please reply direct: n4bno@juno.com

I am new to the list and enjoy it very much. Keep the info coming.

Thanks & 73
Rodney

From boatanchors@sco.theporch.com Tue Mar 18 20:22:45 1997
From: gcr2@po.CWRU.Edu (George C. Rybicki)
Subject: One More BC-348 ?
Message-ID: <199703181718.MAA20219@piglet.INS.CWRU.Edu>

Thanks to all who repoded to my first question. Now that I have it working what are the alignment frequencies? I can do a seat of the pants but if someone out there remembers.... What I am looking for is align band x at y mhz type instructions. Thanks George

From boatanchors@sco.theporch.com Tue Mar 18 20:22:45 1997
From: Richard Post <POST@ouvaxa.cats.ohiou.edu>
Subject: RE: Output transformers
Message-ID: <A5165ZWTIHCMEA*/R=OUVAXA/R=A1/U=POST/@MHS>

Morris Odell asked,

>I wonder in anyone has any knowledge or ideas about the use of TV
>vertical output transformers from tube era B&W sets as audio output or
>modulation transformers.

I have collected a number of vertical output transformers from TVs. Most of mine are tapped autotransformers and therefore not useful as audio output transformers. Regarding modulation transformers, they might work since the insulation on these tends to have a decent rating.

My Globe Scout 680A uses a choke for plate modulation. The B+ supply choke has the same part number. Really surprised me when I first saw it but the schematic confirmed it as correct and it works fine, uses a 6V6 to modulate a 6146. I suppose a vertical output transformer would substitute in such an application. Anybody actually try this in home brew? I have also seen circuits that simply used a standard high voltage power transformer in plate modulation service.

73 de Rich KB8TAD <rpost1@ohiou.edu>

From boatanchors@sco.theporch.com Tue Mar 18 20:22:45 1997
From: "Andy Howard, WA4KCY" <sweetbay@compuserve.com>
Subject: Re: Panel Lettering

Message-ID: <199703181356_MC2-12C3-BB99@compuserve.com>

Mort and the Group,

I have also used the lacquer stick. It works well sometimes and others it does not. I have found that it is precarious on new paint since the paints tend to mix.

The method that I like best to fill engraved lettering and lines is plain old latex white house paint. Fill the letters as carefully as possible and let dry. The latex paint is water soluble and will come off with water. Use a damp (almost dry) cloth to remove the excess. It will not remove the paint from inside the lines and letters.

Works well for me.

Regards,

~~~~~  
Andrew E. (Andy) Howard, Sr., WA4KCY  
105 Sweet Bay Lane  
Carrollton, Georgia 30116-8519  
Telephone 770-832-0202  
Southeastern Division Director, AM International  
wa4kcy@usa.net wa4kcy@juno.com wa4kcy@qsl.net  
Vintage Radio Home Page Address:  
<http://ourworld.compuserve.com/homepages/sweetbay>  
<><

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Keeper of the Hallicrafters SX-88 Owners List

From boatanchors@sco.theporch.com Tue Mar 18 20:22:45 1997
From: "Morton L. Denison" <mdenison@postoffice.ptd.net>
Subject: Panel Lettering & Knob Indicators
Message-ID: <332EAF18.1F0D@postoffice.ptd.net>

I've just refinished my R-725 panel in gloss black (a spare panel - still have the pristine grey panel w/silk screened lettering). After trying several types of stuff for the lettering I've come to the following conclusions: 1) The 'lacquer' sticks sold by Antique Radio Supply don't cut the mustard. The stuff never hardens. 2) Artist's acrylic paint in a tube worked really well. It's water soluble until it dries.

I use a flat piece of wood (roughly 2" x 4") with a paper towel tightly wrapped around it to swipe the excess paint. The lettering would be

better if I could wait until the stuff dried before getting the excess off, but I'd take a chance of screwing up the gloss black (Rustoleum worked best for me). Too much pressure pushes the towel into the lettering and I had to do each section 2-3 times.

For the knobs I simply used Liquid Paper correction fluid - only because I tried it before I got the artist's paint.

If anybody's got a better method, please let me know. It sure was tedious.

73's

Mort D.

From boatanchors@sco.theporch.com Tue Mar 18 20:22:45 1997
From: bdhall@ghg.net (Benjamin D. Hall)
Subject: Re: Panel Lettering & Knob Indicators
Message-ID: <332EB7A5.4883@ghg.net>

Morton L. Denison wrote:

> The lettering would be
> better if I could wait until the stuff dried before getting the excess
> off, but I'd take a chance of screwing up the gloss black (Rustoleum
> worked best for me). Too much pressure pushes the towel into the
> lettering and I had to do each section 2-3 times.

I've had really good luck using Lacquer Stick from AES in Tempe, AZ using the following technique:

- 1) Paint the panel with a semi-gloss or flat finish.
- 2) Apply the laquer stick, wiping off excess but not really worrying about smears, etc...
- 3) Lightly sand away the smears with wet-dry, which will kill the gloss in localized areas.
- 4) Coat with a clear gloss spray paint, which does two things. It gives you a gloss finish, plus "seals" in the laquer stick. I gave the laquer stick two or three weeks to dry before applying the clear finish, and noted it was still "soft" even after all that dry time.

I did an SP-600-JX-17 panel with this method, and it looks nice, but not mint. My problem was that I painted on my porch (I'm a 3rd floor apartment dweller), so the wind gave me an uneven primer and base color coat. But, I think it still looks nice. Many who have seen the panel agree. I plan on refinishing my R-390A panel with this method eventually.

Thanks and 73,

Ben

--

Benjamin D. Hall, Houston Texas - Junque collector extraordinaire.

E-mail: BDHall@GHG.net (home) -or- Benjamin.D.Hall1@JSC.NASA.GOV

From boatanchors@sco.theporch.com Tue Mar 18 20:22:45 1997

From: Rudy Salomon <rhs@pacbell.net>

Subject: PDR-63 Radiac sets

Message-ID: <332EF8D5.5FC9@pacbell.net>

Mike Murphy at murphy@cts.com is advertising PDR-63 radiac sets for \$90.00 ea. He has 22ea available. He is also advertising an IM-174B radiac set, runs from 1 "D" cell for \$125.00ea. He is located in San Diego California.

BTW A good military classified adds site,
<http://personalwebs.myriad.net/gspubl/classlst.html>

Regards, Rudy Salomon, KD6NRQ

From boatanchors@sco.theporch.com Tue Mar 18 20:22:45 1997

From: Rudy Salomon <rhs@pacbell.net>

Subject: Re: PDR-63 Radiac sets

Message-ID: <332F1130.3177@pacbell.net>

Jerry wrote:

>

> Rudy Salomon wrote:

> >

> > Mike Murphy at murphy@cts.com is advertising PDR-63 radiac sets for \$90.00

> > ea. He has 22ea available. He is also advertising an IM-174B radiac set, runs

> > from 1 "D" cell for \$125.00ea. He is located in San Diego California.

> >

> > BTW A good military classified adds site,

> > <http://personalwebs.myriad.net/gspubl/classlst.html>

> >

Sorry about that. Turns out the site address above is incorrect as stated. Use all but the lats "L" should be htm not html.

Regards, Rudy Salomon

From boatanchors@sco.theporch.com Tue Mar 18 20:22:45 1997

From: vancleef@netcom.com (Henry van Cleef)
Subject: Re: power supply, info needed, help!
Message-ID: <199703190138.SAA12828@netcom7.netcom.com>

As Stan Griffiths discourses

>
> >Hiya Folks, need some info and suggestions...
> >
> >I'm building a power supply for a Panoramic Products SA-8b Panadapter
> >out of junkie box parts. I have a Tek 545A power transformer out of a
> >junker for filament voltage, plus the low high voltage. The panadapter
> >needs +265 volts DC at 200 or so ma, and -1870 volts DC at 2 ma for the
> >CRT.
> >
>
> Hi Ben and others,
>
> This is a common problem: you have a great transformer scrounged from an
> old Tek scope. You can read the schematic to get the voltages of the
> windings or you can just measure them. The current rating is another problem.
>
>From a practical perspective, a Tek 530/40/80 series power transformer
has enough oomph to handle a 200 ma. B+ load; certainly as long as you
are not using the last winding (used to power the +500 volt supply on
top of the +350 supply). To get a rough cut, look at the ratings of
the series regulator tubes and the values of the shunt resistors
across them. "Conservatively," those tubes would run at about half
rated max dissipation, using the voltage drop between the rectifier
output and the nominal supply voltage as the voltage across the tubes
and shunt resistors.

You can also use DC resistance measurements of the windings to infer
current capacity. Remember that those transformers handled around 350
VA in the scope application. Total VA is the primary factor in
determining how much heating you will get, and you can do some trading
off between winding ratings. Use the DC resistance of the primaries
(remember, on most Tek scopes after the late fifties, you have two
main primary windings, which are paralleled for 115 volt operation,
and later transformers had boost/buck trimmer windings as well).
Determining factor here is current, not voltage, because heating is a
function of I^2R .

Getting 1870 volts out of a Tek transformer will require using all the
windings in series (as Tek used them) and probably a voltage doubler.
Watch the voltage ratings of your rectifiers and caps. You are out of
safe electrolytic country at about 350 volts RMS on the transformer
windings. Also, while Tek transformers were well insulated, consider
means to keep the maximum voltage gradients between windings (except

for the 6.3 volt CRT winding) to a reasonable number. I wouldn't put 1000 or 1500 volts on the original B+ secondary string, as the 500 volt winding was held down by the regulated supplies under it.

I would be far more conservative in reusing a power transformer from a "Tek wannabe" scope (Hickock, Lavoie, etc.). They had transformer problems fairly regularly, whereas Tek transformers were very conservatively designed.

--

=====
Hank van Cleef
E-mail vancleef@netcom.com or vancleef@tmn.com
=====

From boatanchors@sco.theporch.com Tue Mar 18 20:22:45 1997
From: Jerry <glockett@lightspeed.net>
Subject: Re: PTO manual?
Message-ID: <332EDB84.1A91@lightspeed.net>

Jerry wrote:

>
> Does anyone know of a maintenance/repair manual covering the R390A
> PTO's?
> The maintenance manual I have does not go into actually taking apart
> the PTO, only how to remove it and set the end points etc..someone
> rebuilds these things and surely something has been published about it?
> Anyhow I'm looking to purchase such a manual.. thanks,
>
> Jerry
> A Serious Collins/BA Enthusiast!

From boatanchors@sco.theporch.com Tue Mar 18 20:22:45 1997
From: "A. B. Bonds" <ab@vuse.vanderbilt.edu>
Subject: R-274D Poop needed
Message-ID: <1997Mar18.090606-0600@spike.vuse.vanderbilt.edu>

I'm looking for proper documentation on an R-274D (it's the Halliversion, otherwise an SX-73). There are a couple fine places on the web who offer (apparently) a user's manual for only \$14, but that's not what I want. Depot maintenance docs is more like it. A reasonable copy is fine, I'm not into "gotta have original". The gov literature index does not list anything on this unit. Hints?

Thanks! A. B. Bonds

From boatanchors@sco.theporch.com Tue Mar 18 20:22:45 1997
From: Rodger Singley <rsingl@rs6000.cmp.ilstu.edu>
Subject: R4B question and Tek 7704A part needed
Message-ID: <199703181604.KAA17548@rs6000.cmp.ilstu.edu>

Greetings BA gang,

A question and a request:

My R4B loses sensitivity on the lower bands, as a quick reference, calibrate signal shows as S7 on 10 and 15 meters, dropping to 5 on 20 and doesn't move the meter on 40 and 80. Realignment doesn't help, trimmers show a definite peak as per instructions on lower bands but gain is still lacking on the low bands. I carefully measured the slug positions and they are correct. Anyone had this problem with R4 series before?

Also, my Tek 7704A apparently needs a new vertical amplifier IC. Trace is deflected off of the bottom of the CRT. Disconnecting inputs from the vertical interface does not clear up the trouble and a check of components external to the IC indicates no problems. With the same input level to both inputs of the vertical amp, one deflection plate has 45 volts while the other is at 25 (adjustable +/- about 2 volts with the centering adjustment on the vertical amp board). If anyone has a parts 7704A I could use either the IC or the vertical amp board, otherwise it looks like its time to see if Tektronix still has this IC and how much they want.

Thanks,
Rodger WQ9E

From boatanchors@sco.theporch.com Tue Mar 18 20:22:45 1997
From: km1h@juno.com
Subject: RBB-5 Parts
Message-ID: <19970318.131245.9871.24.km1h@juno.com>

Who did I ship the RBB-5 to? I just found the ID plate for it.

73....Carl KM1H

From boatanchors@sco.theporch.com Tue Mar 18 20:22:45 1997
From: "Andy Howard, WA4KCY" <sweetbay@compuserve.com>
Subject: Re; WLW and Cathode Modulation
Message-ID: <199703181356_MC2-12C3-BB9D@compuserve.com>

Hello to all,

On the subject of how WLW modulated their station in the 30's I believe it to have been plate modulated. I remember seeing a picture that my friend Jim Taylor (W4PNM, now a silent key from Franklin, Ohio) had of the transmitter building. Seems that the modulation transformer was in the basement by itself. It was huge to say the least. I often wonder if it was wound on location of brought in by rail flatcar. It specifically mentioned that it was a modulation transformer and had its own room. The only other alternative was that it was a large choke and they were using Heising modulation. I would rather believe that it was regular plate modulation however. I also think that this was during the time they ran 500 KW.

Thanks and 73,

~~~~~  
Andrew E. (Andy) Howard, Sr., WA4KCY  
105 Sweet Bay Lane  
Carrollton, Georgia 30116-8519  
Telephone 770-832-0202  
Southeastern Division Director, AM International  
wa4kcy@usa.net wa4kcy@juno.com wa4kcy@qsl.net  
Vintage Radio Home Page Address:  
<http://ourworld.compuserve.com/homepages/sweetbay>

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Keeper of the Hallicrafters SX-88 Owners List

From boatanchors@sco.theporch.com Tue Mar 18 20:22:45 1997
From: fbsnyder@mail04.mitre.org (Forrest B. Snyder Jr)
Subject: RE: Re; WLW and Cathode Modulation
Message-ID: <970318163115.24816@mail04.mitre.org.0>

Andy wrote:

>I remember a picture that my friend had of the
>transmitter building. Seems that the modulation transformer was in the
>basement by itself. It was huge to say the least...

I have seen a similar picture of a 100 KW station the US operated in Munich after the last war. The modulator had its own building and the modulation transformer took up the entire basement. There were two identical transmitters and, I believe, two identical modulators. If there is interest, I'll contact my friend who served as broadcast engineer there for a period and see what else I can find out.

Forrest Snyder

N4UTY

"Sure, it's 1936 technology, but it's GOOD 1936 technology!"

From boatanchors@sco.theporch.com Tue Mar 18 20:22:45 1997

From: kb5wwwo@juno.com (George Folse)

Subject: SB-10

Message-ID: <19970318.154803.5071.0.kb5wwwo@juno.com>

Hello All,

Does anyone know how to connect a SB-10 to the TX-1. There is two SO-239 and a 8 pin octal on the SB-10 and the TX-1, but I don't know what go where. I don't have a manual on the SB-10, and my manual on the TX-1 does not mention anything on the SB-10.

Can anyone help,

73's George Folse KB5WWO AMI#937

kb5wwwo@juno.com

630 Dolhonde St.

Gretna, La. 70053

504-362-1896 ph/fax

From boatanchors@sco.theporch.com Tue Mar 18 20:22:45 1997

From: Keith Heitzmann <kk5fe@communique.net>

Subject: Trade: Russian military code key

Message-ID: <2.2.16.19970318150521.0cc7a31e@mail.communiquen.net>

Hi all,

I have a Russian military (although I think made by in Germany) code key. Made out of black plastic with hinged cover over the contacts, fully adjustable. Weighted metal base with rubber feet.

Has a round ball for the knob.

Inside the cover on a decal it says:

VEB KFZ-BEDARF LEIPZIG

MORSETASTE K 40

ohne AnschluBschnur

0,1 A bei max. 65 V

made in GDR

It is in mint condition with the original cord and connector (some sort of a twist lock 6 pin)

Has a nice feel.

I really would like to trade for some other military type of straight key.

If interested let me know via private email.

Thanks and 73,
Keith KK5FE

-----Keeper of all that I buy-----
-----AMI# 837-----
----<http://www.communique.net/~kk5fe>-----

From boatanchors@sco.theporch.com Tue Mar 18 20:22:45 1997
From: Brian.Harris@sv.sc.philips.com (Brian Harris)
Subject: TU-5-B's & manual for BC-375-E
Message-ID: <32f280c0@scs.philips.com>

I have two BC-375 tuning units, both TU-5-B types, which cover 1.5 to 3.0 Mc. One has had the two ceramic coils removed. The other is original. The one with the missing coils is begging me to scrap it. The other one ought to be doing 160 meter duty in a BC-375.

I also have a BC-375-E original manual which is in excellent condition with the exception of some writing inside the front cover and a few other marks further in the book. Anybody interested?

Brian Harris WA5UEK

From boatanchors@sco.theporch.com Tue Mar 18 20:22:45 1997
From: Glenn Finerman <GFINER@nms.com>
Subject: Vintage SSB on 160m
Message-ID: <s32e8046.092@nms.com>

Looking over the BA collection the other day I realized except for my T4X-B, I don't have another BA SSB xmtr that will work on 160 meters. Big hamfest this weekend so I need to keep my eyes open for a vintage SSB xmtr that will do 160m. If there are others, I can't think of any besides the Drake!!!....

HELP??

73.....Glenn N2BJG gfiner@nms.com

WANTED = Collins S-Line Transmitters and Receivers
TV-7 Tube tester

Tram Titan II

From boatanchors@sco.theporch.com Tue Mar 18 20:22:45 1997
From: pmills@A.crl.com (Phil Mills)
Subject: Re: Vintage SSB on 160m
Message-ID: <199703181709.AA23987@A.crl.com>

>Looking over the BA collection the other day I realized except for my
>T4X-B, I don't have another BA SSB xmtr that will work on 160 meters.
>Big hamfest this weekend so I need to keep my eyes open for a
>vintage SSB xmtr that will do 160m.

Well, the Johnson Valiant with the SSB adapter will do it. I can't
think of any fully self contained units other than the Drake....

73, Phil

Phil Mills, AB5TH	**** WTB	S-meter for 75A4	*****
pmills@a.crl.com	****	bottom cover "	*****
281-992-5762 DAYS	****	80 mtr RF coil "	*****
Friendswood, TX	(south of Houston)		

From boatanchors@sco.theporch.com Tue Mar 18 20:22:45 1997
From: Glenn Finerman <GFINER@nms.com>
Subject: re: Vintage SSB on 160m
Message-ID: <s32ebf16.013@nms.com>

So far I've gotten the following responses regarding vintage SSB
BA transmitters that work on 160 meters;

Lakeshore Phasemaster
Central Electronics 20A
Elenco 77
Johnson Pacemaker (??)

Is that all?? I know there are a few transmitter / adapter combos like
the Valiant, Apache / SB10, etc..I was hoping for a self contained
unit like the T4X-B. There MUST be others!!,
Time for me to order Moore's Xmtr/exciter book!!!!...

73.....Glenn N2BJG gfiner@nms.com

WANTED = Collins S-Line Transmitters and Receivers
TV-7 Tube tester
Tram Titan II, Browning Golden Eagle MK-II

From boatanchors@sco.theporch.com Tue Mar 18 20:22:45 1997
From: Steve Rodowicz <srodowic@ix.netcom.com>
Subject: Re: Vintage SSB on 160m
Message-ID: <1.5.4.16.19970317065710.359f9798@popd.ix.netcom.com>

>Well, the Johnson Valiant with the SSB adapter will do it. I can't
>think of any fully self contained units other than the Drake....

Additionally:

- Central Electronics 10A, 10B
- Hammarlund HX-50, HX-50A (w/ 160M kit)
- Heathkit MonoBander Series 160M Transceiver (xtal controlled?)
- Lakeshore Phasemaster II, II-A, II-B
- Swan 160 Transceiver (rumored, I've never seen one)

73, Steve - N1SR

From boatanchors@sco.theporch.com Tue Mar 18 20:22:45 1997
From: Peter Ferrand <petef@sprynet.com>
Subject: re: Vintage SSB on 160m
Message-ID: <3.0.32.19970318174544.0069da7c@m3.sprynet.com>

At 09:14 PM 3/18/97 GMT, Glenn Finerman wrote:

>)

>

>Is that all?? I know there are a few transmitter / adapter combos like

>

IF you had the factory 160 kits (rare, very) you could go 160 with a
Central Electronics 100V (I've got one of those) or 200V, or the Hammarlund
HX-50.

Also qualifying are a number of commercial/mil sets like the TMC SSB
exciters, which I've seen at flea markets and probably should have bought
(not just 160 but general coverage!), and some of the ARC series Collins
radios. Also a number of fixed frequency exciters/xcvrs cover the band as
part of marine operations, by Scientific Radio, RCA/RMCA, RF
Communications, and so on if you can deal with channel strips.

But for straight ham rigs of a more recent vintage, the pickings are relatively few since the major companies like Heath and Johnson and Collins didn't do much with 160 on SSB.

-Pete
WB2QLL
petef@sprynet.com

"I don't think I've ever spat in my life"
-Walter Cronkite

From boatanchors@sco.theporch.com Tue Mar 18 20:22:45 1997
From: Bill Sorsby <bill.sorsby@dlep1.itg.ti.com>
Subject: Re: Vintage SSB on 160m
Message-ID: <332F1E23.5B3E@dlep1.itg.ti.com>

Glenn Finerman wrote:

>
> So far I've gotten the following responses regarding vintage SSB
> BA transmitters that work on 160 meters;
>
> Lakeshore Phasemaster
> Central Electronics 20A
> Elenco 77
> Johnson Pacemaker (??)
>
> Is that all?? I know there are a few transmitter / adapter combos like
> the Valiant, Apache / SB10, etc..

FWIW, the Pacemaker does not cover 160. Nor does the Apache/SB-10 combo. The CE-20A and CE-10B do and are self-contained if you don't mind running QRP and crystal control. Otherwise, figure on adding a VFO and amplifier. The Phasemasters also require an external VFO, except for the last one (IIB?) which had an internal VFO.

Regards,
Bill Sorsby, N5BU

From boatanchors@sco.theporch.com Tue Mar 18 20:22:45 1997
From: owens@stout.atd.ucar.edu (Chip Owens)
Subject: WLW and Cathanode Modulation

Message-ID: <199703181507.IAA00752@atd.atd.ucar.EDU>

Hi Gang,

I heard that many years ago radio station WLW used a form of modulation using a combination of plate and cathode modulation techniques. This was termed "cathanode" modulation and required no modulation transformer, but did involve a special bi-filar wound tank coil in the final amplifier. I'm interested in finding out more about this technique-and especially about the history of WLW back in the 1930 time period.

Does anyone know of any detailed technical reference that describes the station layout and in particular the modulation scheme used back then at WLW. Does anyone know if this technique was applied at any other commercial AM broadcast stations?

Chip

From boatanchors@sco.theporch.com Tue Mar 18 20:22:45 1997
From: Paul Christensen <paulc@ccse.net>
Subject: Re: WLW and Cathanode Modulation
Message-ID: <332EBDAD.15A0@ccse.net>

Chip Owens wrote:

> This was termed "cathanode" modulation and required no
> modulation transformer, but did involve a special bi-filar wound
> tank coil in the final amplifier.

The original 500KW transmitter which remains at the Mason site (Not used since the early '60s), used two modulation transformers in the basement (Either RCA or Westinghouse the last time I looked). Only one modulation transformer remains today. Several years ago, JACOR Communications disposed of the other due to PCB leakage problems. The transformer stands on the basement floor and must be close to 12-feet tall, perhaps more. In addition to the modulation transformers, a Westinghouse reactance coil still resides connected outside the transmitter building. I have never been able to discern the objective of this coil, but it too is impressive.

I plan on revisiting the site in May just prior to the Dayton convention. There's an eerie feeling when touring the basement of the facility....and seems as if time has stood still. The original work benches, parts bins, lighting fixtures, and some test equipment remain....almost as if the engineering crew stepped out for lunch, only to return in an hour.

-Paul, W9AC